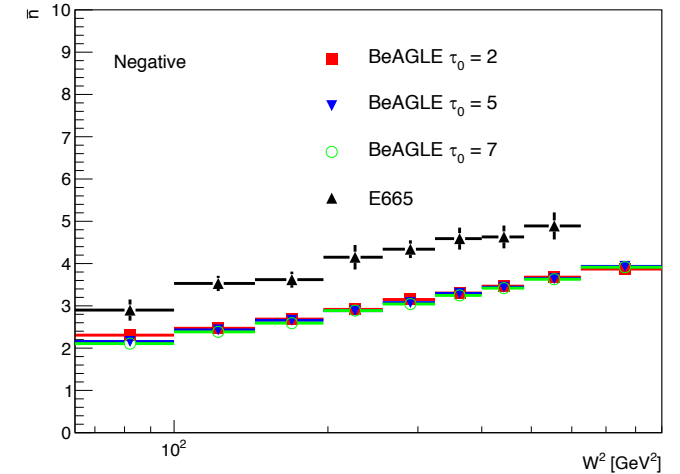
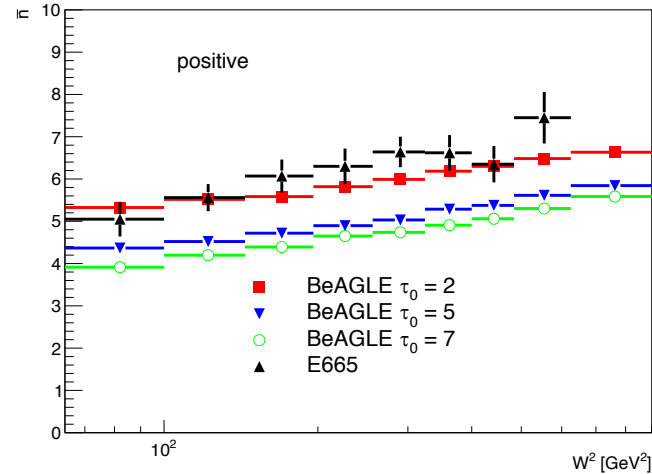
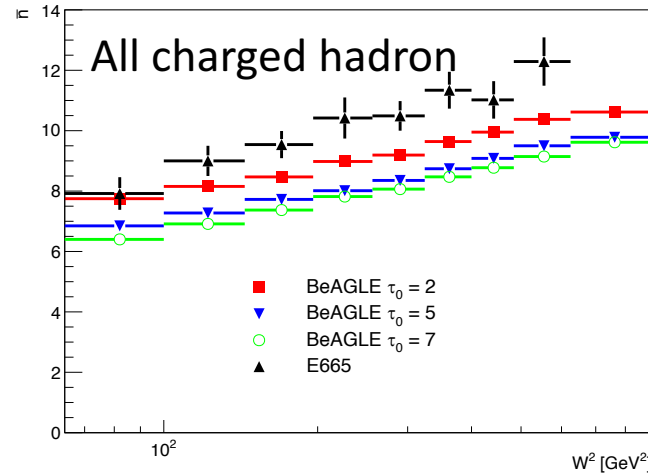


Update on comparison between BeAGLE and E665

Wan Chang

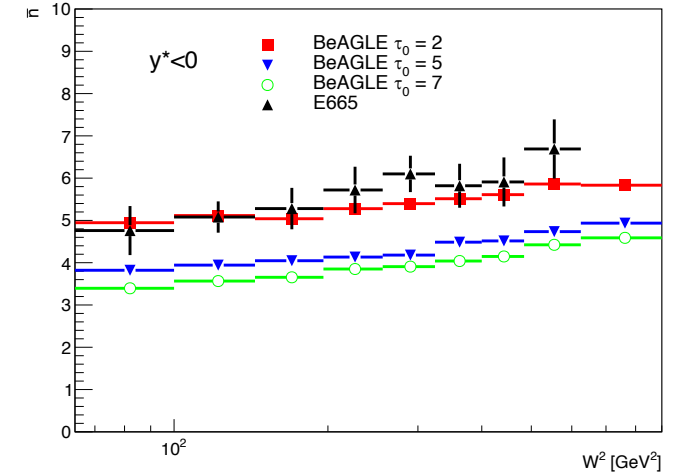
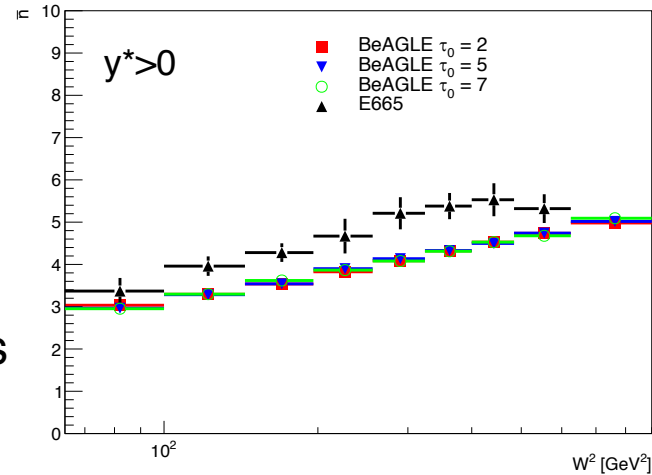
2020.04.23

Average multiplicity distribution vs. tau0



Positive: 211, 321, 2212, 80000
Negative: -211, -321, -2212

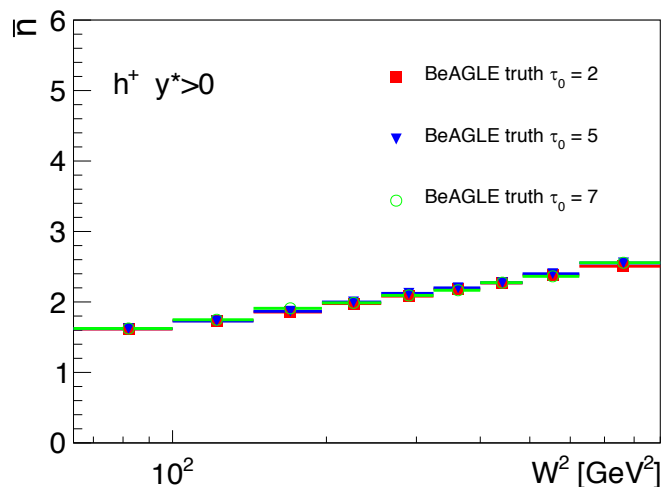
With lower tau0, the average multiplicity distributions for positive hadron or backward cms hemispheres have improved.



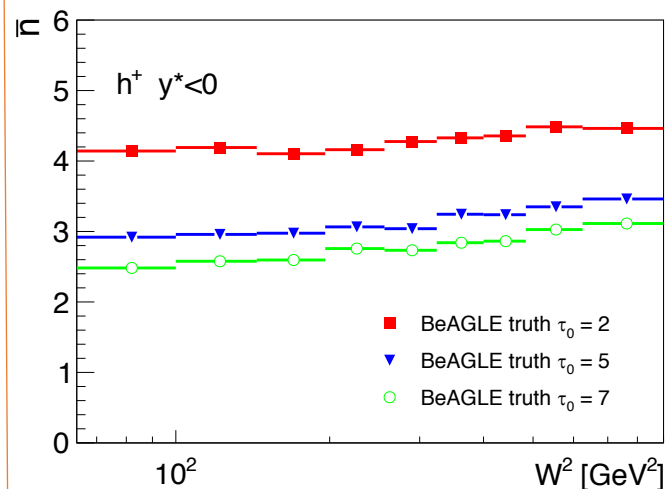
Average multiplicity distribution vs. tau0

h^+

forward

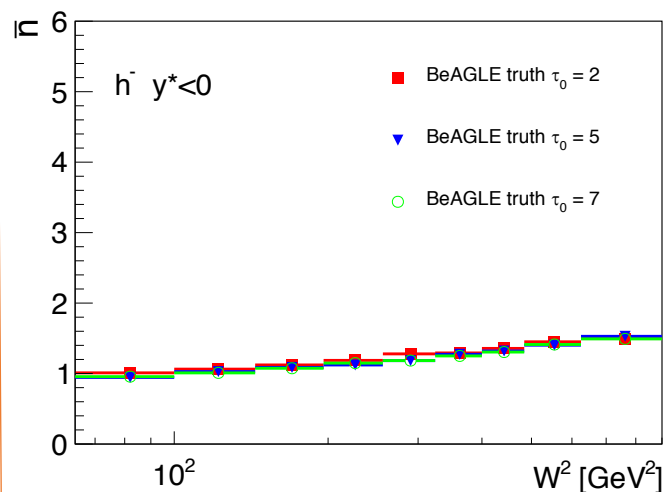
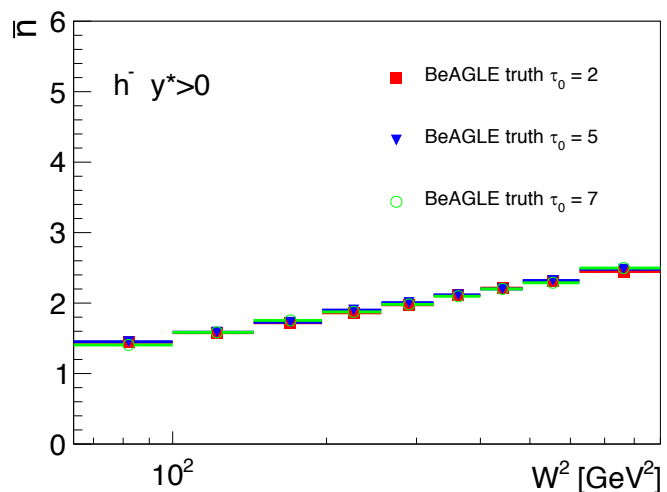


backward



The multiplicity distributions of positive and negative hadrons separated in forward and backward cms hemispheres.

h^-



Only the positive hadrons in backward has the tau0 dependence.

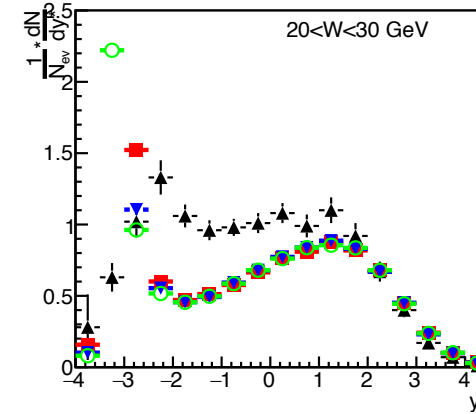
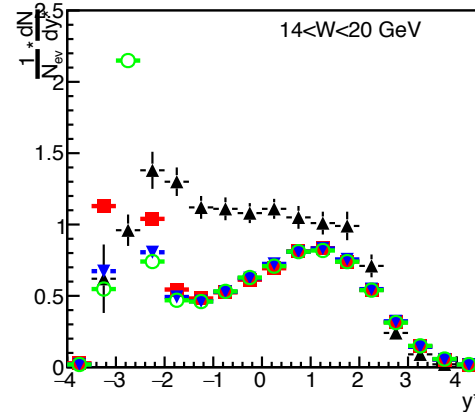
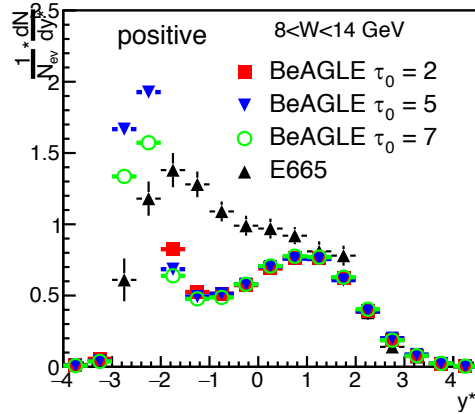
Normalized cms-rapidity distribution

$8 < W < 14 \text{ GeV}$

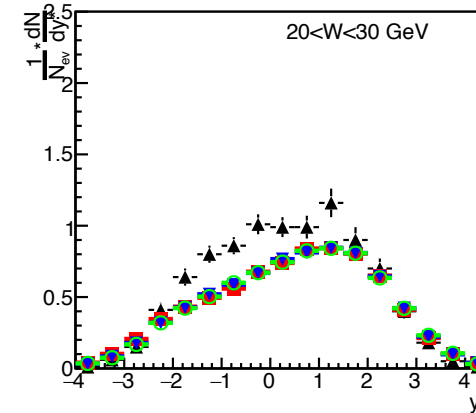
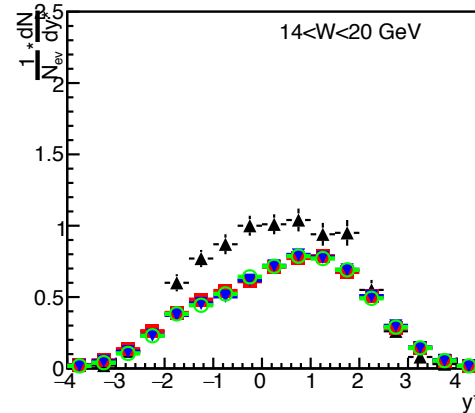
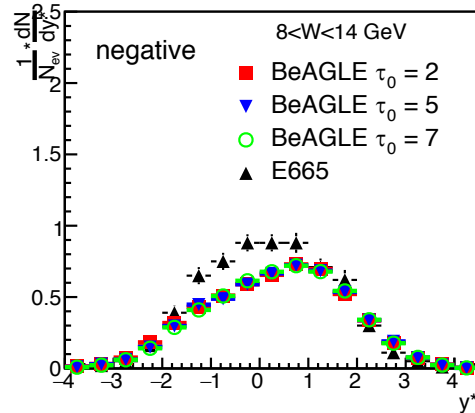
$14 < W < 20 \text{ GeV}$

$20 < W < 30 \text{ GeV}$

Positive



Negative



- There is no τ_0 dependence for positive hadrons in forward.
- There is no τ_0 dependence for negative hadrons.
- The distributions for both positive and negative hadrons in forward agree with E665.

paper

- | | |
|------------------------------------------|------------------|
| ➤ Introduction | Done in one week |
| ➤ BeAGLE | |
| ➤ Data and MC comparison (E665 and ZEUS) | Done |
| ➤ Collision Geometry determination | Done |
| ➤ Summary | Done in one week |